

1/12/2018

Print



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	Past Due
P0038737	MES002-VC	1	1	Net 30	M304TS0.750W.049	304 Sq Tube .75X.75X.049W : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH receive ft				1,000	1/15/2018	1,000		S031853	Stock	1/12/2018	\$ 3.80 / ft	0	
		2			M304TS0.750W.065	304 Sq Tube .75X.75X.065W : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH receive ft				500		500		S031854	Stock	1/12/2018	\$ 2.75 / ft	0	
Total:										1,500		1,500							\$4

Plex 1/12/2018 2:26 PM Dart Dubois Pascal

Shipping Order

10/01/2018

METAUX SOLUTIONS INC
2625 BOUL JACQUES CARTIER EST
LONGUEUIL, QUEBEC
J4N 1L7 Tel.: 450 641-3330

Order : 131781
Reference : 38737
Ship : PICK UP / PICK UP

Customer: 6323336

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

Ship To

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Delivered	B/O Qty
	***** FACTURER E-MAIL ***** SUPER-IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
SSQT34340494	304 SQ TUBE .750 X .049 WALL 50 x 20' *** ht;ake040273	1000	1000	φ
SSQT34340654	TUBE SS304 180 GRIT 3/4" X 3/4" X .065" 25 x 20' *** ht;5517363	500	500	φ
	ship journey collect jp			

Shipping : _____
Package No : _____

Ref. : _____

Merchandise Received: _____

METAUX SOLUTIONS INC
2625 BOUL JACQUES CARTIER EST
LONGUEUIL, QUEBEC
J4N 1L7
Tel.: 450 641-3330

Shipping Order 10/01/2018

Order : 131781
Reference : 38737
Ship : PICK UP / PICK UP

Customer: 6323336

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

Ship To

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Delivered	B/O Qty
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
SSQT34340494	304 SQ TUBE .750 X .049 WALL 50 x 20' *** ht;ake040273	1000	<u>1000</u>	<u>Ø</u>
SSQT34340654	TUBE SS304 180 GRIT 3/4" X 3/4" X .065" 25 x 20' ***** ht;5517363	500	<u>500</u>	<u>Ø</u>

ship journey collect
jp



Shipping : _____
Package No : _____

Ref. : _____

Merchandise Received: _____



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO038737**

Supplier: MES002-VC
Metaux Solutions
2625 boul Jacques-Cartier Est
Longueuil
QC
J4N 1L7 Canada
Phone: 800 558 8858
Fax: 514 633 8044

PO No: PO038737

PO Date: 1/8/18

Due Date: 1/15/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
Phone: clavoie@dartaero.com

E-MAILED
JAN 09 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M304TS0.750W.049		304 Sq Tube .75X.75X.049W : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH receive ft	Firmed	1/15/18	1,000 ft	0 ft	1,000 ft	\$3.80/ft	\$3,800.00
2	M304TS0.750W.065		304 Sq Tube .75X.75X.065W : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH receive ft	Firmed	1/15/18	500 ft	0 ft	500 ft	\$2.75/ft	\$1,375.00

Grand Total: \$5,175.00

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 1/8/18 9:31 AM dart.lavoie.chantal



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (813) 632-5200

PURCHASE ORDER PO038737

Supplier: MES002-VC
Metaux Solutions
2825 boul Jacques-Cartier Est
Longueuil
QC
J4N 1L7 Canada
Phone: 800 558 8858
Fax: 514 633 8044

PO No: PO038737
PO Date: 1/8/18
Due Date: 1/15/18
**Purchase Order
Revision:**
Revision Date:
Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments:

Items 50										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M304TS0.750W.049		304 Sq Tube .75X.75X.049W : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH receive ft	Firmed	1/15/18	1,000 ft	0 ft	1,000 ft	\$3.80/ft	\$3,800.00
2	M304TS0.750W.065		304 Sq Tube .75X.75X.065W : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH receive ft	Firmed	1/15/18	500 ft	0 ft	500 ft 15	\$2.75/ft	\$1,375.00
Grand Total:									\$5,175.00	

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing (Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 1/8/18 9:31 AM dart.lavoie.chantal

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304T50.730 W.049

PO / BATCH NO.: 038737

DATE: JAN 12 2018

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: W.049

QUANTITY RECEIVED: 1000"

THICKNESS RECEIVED: W.049

QUANTITY INSPECTED: 1000"

SHEET SIZE ORDERED: N/A

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	N	Astm A354-16
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	Heat # 040273
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	WEBSTER
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 11</u> DATE: <u>9-89 JAN 12 2018</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

Kingmaker Steel Co., Inc.

Stainless Steel Tube and Pipe

133 Belmont Drive, Somerset, NJ 08873-1203

Tel.: (732) 302-1800, Fax: (732) 302-1822

Date: 11/9/2017
Invoice No: KM2017/2620
Purchase P008957-1
Order No:
Sold To:

Material Certification

ISO 9001:2015

ISO 14001:2004

EN 10204/3.1B

Ship To:

Stainless Steel T.I.G. Welded Tubing.

Country of Melt: Taiwan, Country of Origin: Taiwan.

Item	Description	Heat No.	Finish	Specification	Grade
1:	3/4" SQ X 0.049"W X 20'	AKE040273	MF	ASTM A554-16	MT-304
2:	5/8" SQ X 0.065"W X 20'	5D317	180G	ASTM A554-16	MT-304
3:	2-1/2" SQ X 0.120"W X 20'	TBG112661	MF	ASTM A554-16	MT-304
4:	3" SQ X 0.250"W X 20'	TBH090322	MF	ASTM A554-16	MT-304
5:	1-1/2" SQ X 0.125"W X 20'	5E382	MF	ASTM A554-16	MT-316/L

CHEMICAL PROPERTIES

	C	Si	Mn	P	S	Cr	Ni	Mo	N	Cu
1:	.040	.510	1.08	.029	.014	18.10	8.14			
2:	.019	.350	1.36	.028	.001	18.26	8.05			
3:	.016	.370	1.04	.024	.003	18.37	8.04			
4:	.022	.460	0.85	.029	.005	18.02	8.11			
5:	.019	.350	1.39	.031	.007	16.74	10.03			

MECHANICAL PROPERTIES

	Tensile (N/mm2)	Yield (N/mm2)	Elong. (%)	Hardness (HRB)	Flattening	Hydrostatic	Eddy Current
1:	673.00	235.00	46.00	82.80			
2:	646.00	322.00	53.00	85.00			
3:	651.00	289.00	52.00	83.00			
4:	633.00	305.00	54.00	87.00			
5:	623.00	314.00	47.00	82.00			

WE HEREBY CERTIFY THAT TO THE BEST OF OUR KNOWLEDGE, THE MATERIAL LISTED ABOVE HAS BEEN MANUFACTURED IN ACCORDANCE WITH AND MEET THE ABOVE APPLICABLE SPECIFICATIONS AND GRADES, AND ALSO THAT THE MATERIAL WAS PRODUCED IN A MERCURY FREE ENVIRONMENT. THE CHEMICAL COMPOSITIONS OF THE MATERIAL ARE IN ACCORDANCE WITH ASTM A240.

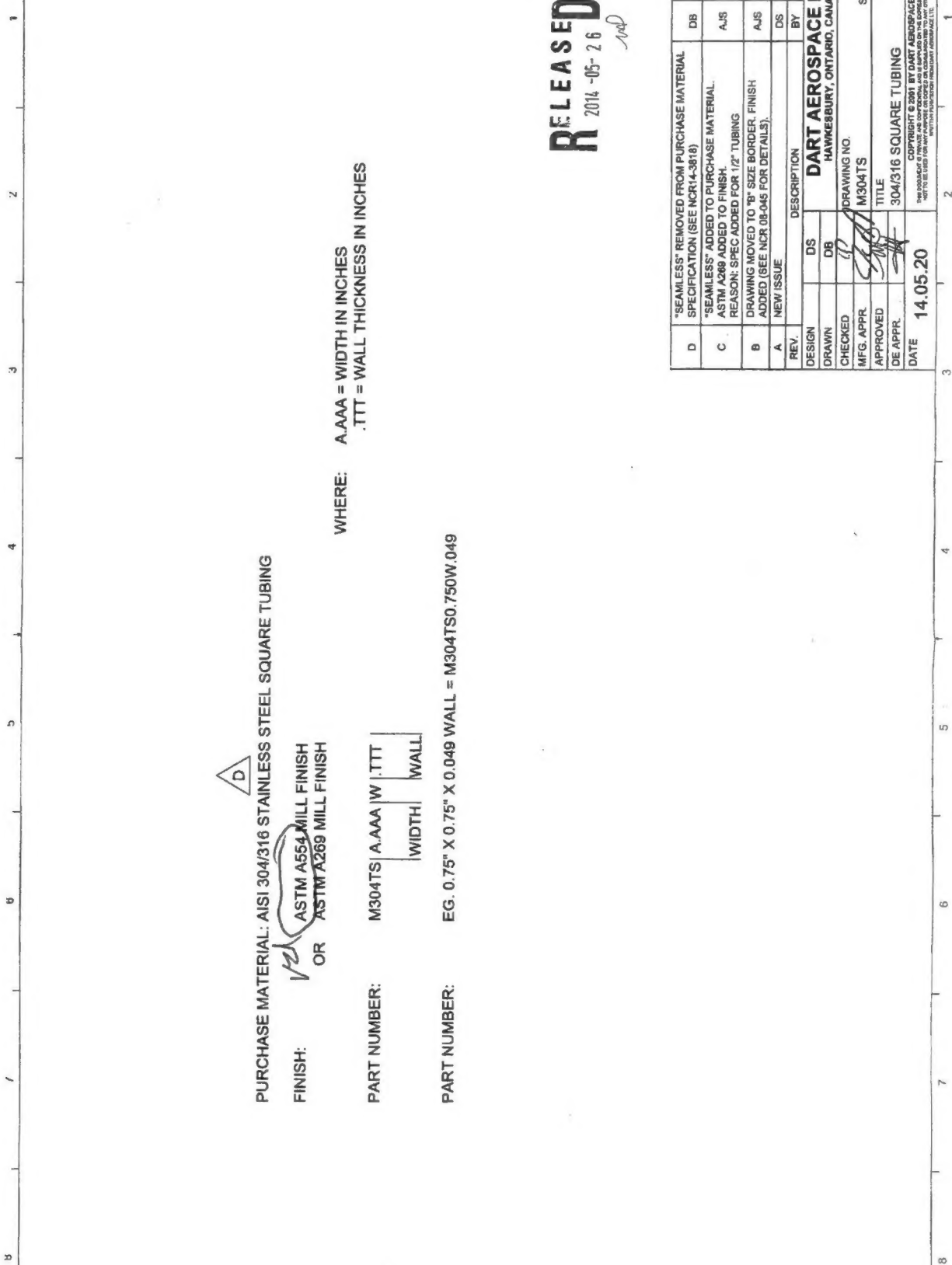
Page: 1/2

Carrie Wang

Authorized Signature

11/9/2017

Date



PURCHASE MATERIAL: AISI 304/316 STAINLESS STEEL SQUARE TUBING




FINISH: *1/2*  ASTM A554 MILL FINISH
OR ASTM A269 MILL FINISH

WHERE: A.AAA = WIDTH IN INCHES
.TTT = WALL THICKNESS IN INCHES

PART NUMBER: M304TS | A.AAA | W | .TTT |
| WIDTH | WALL |

PART NUMBER: EG. 0.75" X 0.75" X 0.049 WALL = M304TS0.750W.049

RELEASED
R 2014-05-26 *nd*

D	"SEAMLESS" REMOVED FROM PURCHASE MATERIAL SPECIFICATION (SEE NCR14-3818)		DB	14.05.20
C	"SEAMLESS" ADDED TO PURCHASE MATERIAL. ASTM A269 ADDED TO FINISH. REASON: SPEC ADDED FOR 1/2" TUBING		AJS	08.10.16
B	DRAWING MOVED TO "B" SIZE BORDER. FINISH ADDED (SEE NCR 08-045 FOR DETAILS).		AJS	08.08.28
A	NEW ISSUE		DS	01.08.08
REV.	DESCRIPTION		BY	DATE
DESIGN	DS		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	DB			
CHECKED				
MFG. APPR.	M304TS			
APPROVED				
DE APPR.			REV. D	
DATE	14.05.20		SHEET 1 OF 1	
		TITLE		SCALE
		304/316 SQUARE TUBING		NONE
COPYRIGHT © 2001 BY DART AEROSPACE LTD				
THIS DOCUMENT IS THE PROPERTY OF DART AEROSPACE LTD. IT IS TO BE USED FOR THE PURPOSES FOR WHICH IT WAS ISSUED AND NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.				

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304H50.730W.065

PO / BATCH NO.: 038737/5031834

DATE: JAN 12 2018

MATERIAL CERT REC'D: Yes

THICKNESS ORDERED: W.065

QUANTITY RECEIVED: 500'

THICKNESS RECEIVED: W.065

QUANTITY INSPECTED: 500'

SHEET SIZE ORDERED: N/A

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL PER M-DRAWING	(Y)	N	<u>Astm A554</u>
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT REF # TO LINK CERT	(Y)	N	<u>Heat # 5517363</u>
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u> DATE: <u>9-89</u> <u>JAN 12 2018</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

PURCHASE MATERIAL: AISI 304/316 STAINLESS STEEL SQUARE TUBING

FINISH: D
ASTM A554 MILL FINISH *ml*
OR
ASTM A269 MILL FINISH

PART NUMBER: M304TS | A.AAA | W | TTT |
| WIDTH | WALL |

PART NUMBER: EG. 0.75" X 0.75" X 0.049 WALL = M304TS0.750W.049

WHERE: A.AAA = WIDTH IN INCHES
TTT = WALL THICKNESS IN INCHES

RELEASED
2014-05-26 *ml*

D	"SEAMLESS" REMOVED FROM PURCHASE MATERIAL SPECIFICATION (SEE NCR14-3816)				DB	14.05.20
C	"SEAMLESS" ADDED TO PURCHASE MATERIAL. ASTM A269 ADDED TO FINISH. REASON: SPEC ADDED FOR 1/2" TUBING				AJS	08.10.16
B	DRAWING MOVED TO "B" SIZE BORDER. FINISH ADDED (SEE NCR 08-045 FOR DETAILS).				AJS	08.08.28
A	NEW ISSUE				DS	01.06.08
REV.	DESCRIPTION				BY	DATE
DESIGN	DS		DART AEROSPACE LTD			
DRAWN	DB		HAWKESBURY, ONTARIO, CANADA			
CHECKED	AP		DRAWING NO.			
MFG. APPR.	M3041TS		REV. D			
APPROVED	[Signature]		SHEET 1 OF 1			
DE APPR.	[Signature]		SCALE			
DATE	14.05.20		304/316 SQUARE TUBING			
			NONCE			
COPYRIGHT © 2001 BY DART AEROSPACE LTD THIS DRAWING IS THE PROPERTY OF DART AEROSPACE LTD AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION FROM DART AEROSPACE LTD						

GLOBAL STAINLESS

Steel Inc.

"Stainless without Borders"

Mill Test Certificate

ASTM A554

Description:

Stainless Steel Ornamental Tube

Heat #

6517363

Grade/Finish:

304 / 180 GRIT

Quantity

980 FT

Dimension

0.065" X 0.75" X 0.75" X 240"

Origin:

China

Chemical Composition (Coil MTR)

C	SI	Mn	P	S	Cr	NI
0.0240	0.3800	1.0400	0.0340	0.0060	18.0800	8.0300

Mechanical Composition (Coil MTR)

Yield	Tensile	Elongation
KSI	KSI	(%)
45	89	47

Remarks:

- 1) Material is Free from Mercury Contamination.
- 2) No Weld Repairs.
- 3) Dimensions / Visual Inspected.

Global certifies that the products described have been manufactured in accordance with the standards and specifications noted above.